

Catalog	Unit
TBI5384-5MG	5 mg
TBI5384-25MG	25 mg

Product Details

Alternate Names: AcCoA; Acetyl-CoA; Acetyl Coenzyme A trilithium salt trihydrate

Molecular Formula: C₂₃H₃₅Li₃N₇O₁₇P₃S • 3H₂O

Formula Weight: 881.40

CAS Number: 75520-41-1

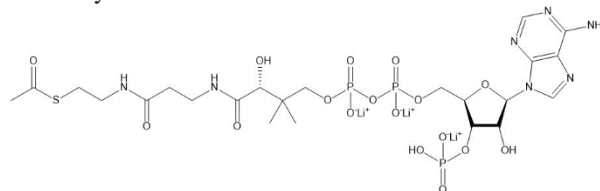
Purity: >90%

Formulation: powder

Solubility: Soluble in Water (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Cofactor in acetylation and fatty acid biosynthesis

Functions

Acetyl-CoA is an essential cofactor for cellular metabolism, being an 'activated acetate' that shuttles its moieties back and forth during anabolic, catabolic, and metabolic processes involving fundamental molecules: fatty acids, amino acids, glucose, and ATP. In the laboratory, it can be used as a substrate in chloramphenicol acetyltransferase (CAT) transcription reporter assays or in histone acetyltransferase (HAT) assays in epigenetics research.

Application Procedures

First dissolved in Water (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for up to 2 weeks.

For research use only.